



#5

SEQUENCE LISTING

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<151> 2000-12-08

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| Leu Ser Glu His Glu Arg Ser Ile Ser Pro Leu Leu Phe Glu Glu Ser | |
| 245 250 255 | |
| cct tct gat gtg cag ccc cca gga gat cct ttc caa gtg aac ttt gaa | 816 |
| Pro Ser Asp Val Gln Pro Pro Gly Asp Pro Phe Gln Val Asn Phe Glu | |
| 260 265 270 | |
| gaa caa aac aat cct caa ata ctc caa aac tca gtt gtt ttt gga aca | 864 |
| Glu Gln Asn Asn Pro Gln Ile Leu Gln Asn Ser Val Val Phe Gly Thr | |
| 275 280 285 | |

| | |
|---|------|
| tca gcc cag gaa gtg gta aag gaa att cgt ttc aga att gag cag aaa | 912 |
| Ser Ala Gln Glu Val Val Lys Glu Ile Arg Phe Arg Ile Glu Gln Lys | |
| 290 295 300 | |
| aca aca ctg aca gcc agt gca ggt gtt cgg ata tct agt ttt ccc aat | 960 |
| Thr Thr Leu Thr Ala Ser Ala Gly Val Arg Ile Ser Ser Phe Pro Asn | |
| 305 310 315 320 | |
| gaa gag gac agg aaa cac caa caa agg agc att att ggc ttt tta cag | 1008 |
| Glu Glu Asp Arg Lys His Gln Gln Arg Ser Ile Ile Gly Phe Leu Gln | |
| 325 330 335 | |
| gct gga aac caa gcc ctg tca gcc act gag tgt aca tta gag aaa act | 1056 |
| Ala Gly Asn Gln Ala Leu Ser Ala Thr Glu Cys Thr Leu Glu Lys Thr | |
| 340 345 350 | |
| gac aaa gat aag ttt gta aaa cct cta gaa atg tct cat aag aag agt | 1104 |
| Asp Lys Asp Lys Phe Val Lys Pro Leu Glu Met Ser His Lys Lys Ser | |
| 355 360 365 | |
| ttc ttt gat aaa aaa cga tca gaa agg aaa tgg agt cac caa gat aca | 1152 |
| Phe Phe Asp Lys Lys Arg Ser Glu Arg Lys Trp Ser His Gln Asp Thr | |
| 370 375 380 | |
| ttt aaa tgt gaa gcc gtg aat aaa caa agt ttc cag aca tca caa cca | 1200 |
| Phe Lys Cys Glu Ala Val Asn Lys Gln Ser Phe Gln Thr Ser Gln Pro | |
| 385 390 395 400 | |
| ttc caa gtt tta aag aag aag atg aat gag aat ttg gaa ata tca gag | 1248 |
| Phe Gln Val Leu Lys Lys Lys Met Asn Glu Asn Leu Glu Ile Ser Glu | |
| 405 410 415 | |
| aat tca gat gac tgt cag ata ctt acc tgt cct gtt tgc ttt agg gct | 1296 |
| Asn Ser Asp Asp Cys Gln Ile Leu Thr Cys Pro Val Cys Phe Arg Ala | |
| 420 425 430 | |
| caa ggg tgc atc agt ctg gaa gcc ttg aat aaa cat gta gat gaa tgt | 1344 |
| Gln Gly Cys Ile Ser Leu Glu Ala Leu Asn Lys His Val Asp Glu Cys | |
| 435 440 445 | |
| ctt gat gga cct tca atc agt gaa aac ttt aaa atg ttc tcg tgt tca | 1392 |
| Leu Asp Gly Pro Ser Ile Ser Glu Asn Phe Lys Met Phe Ser Cys Ser | |
| 450 455 460 | |
| cat gtt tct gct acc aaa gtt aac aag aaa gaa aat gtt cct gct tct | 1440 |
| His Val Ser Ala Thr Lys Val Asn Lys Lys Glu Asn Val Pro Ala Ser | |
| 465 470 475 480 | |
| tca ctt tgt gag aag caa gat tat gaa gcc cat cca aaa att aaa gaa | 1488 |
| Ser Leu Cys Glu Lys Gln Asp Tyr Glu Ala His Pro Lys Ile Lys Glu | |
| 485 490 495 | |
| ata tct tca gta gat tgt ata gct tta gta gat act ata gat aac tca | 1536 |
| Ile Ser Ser Val Asp Cys Ile Ala Leu Val Asp Thr Ile Asp Asn Ser | |
| 500 505 510 | |
| tct aaa gca gaa agc ata gat gct tta agt aat aag cat agc aag gaa | 1584 |

| | | | | | | | | | | | | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|
| Ser | Lys | Ala | Glu | Ser | Ile | Asp | Ala | Leu | Ser | Asn | Lys | His | Ser | Lys | Glu | | |
| | | 515 | | | | | 520 | | | | | 525 | | | | | |
| | | | | | | | | | | | | | | | | | |
| gaa | tgt | tct | agt | ctc | cca | agc | aag | tct | ttt | aat | att | gaa | cac | tgt | cat | 1632 | |
| Glu | Cys | Ser | Ser | Leu | Pro | Ser | Lys | Ser | Phe | Asn | Ile | Glu | His | Cys | His | | |
| | 530 | | | | | 535 | | | | 540 | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| cag | aat | tct | tct | tct | act | gtt | tca | ttg | gaa | aac | gaa | gat | gtt | gga | tca | 1680 | |
| Gln | Asn | Ser | Ser | Ser | Thr | Val | Ser | Leu | Glu | Asn | Glu | Asp | Val | Gly | Ser | | |
| 545 | | | | | 550 | | | | 555 | | | | | 560 | | | |
| | | | | | | | | | | | | | | | | | |
| ttt | aga | caa | gaa | tac | cgc | cag | cct | tac | tta | tgt | gaa | gtg | aaa | aca | ggc | 1728 | |
| Phe | Arg | Gln | Glu | Tyr | Arg | Gln | Pro | Tyr | Leu | Cys | Glu | Val | Lys | Thr | Gly | | |
| | | | 565 | | | | | 570 | | | | | | 575 | | | |
| | | | | | | | | | | | | | | | | | |
| caa | gct | cta | gtt | tgt | cct | gtt | tgt | aac | gta | gaa | caa | aag | act | tca | gat | 1776 | |
| Gln | Ala | Leu | Val | Cys | Pro | Val | Cys | Asn | Val | Glu | Gln | Lys | Thr | Ser | Asp | | |
| | | 580 | | | | | | 585 | | | | | 590 | | | | |
| | | | | | | | | | | | | | | | | | |
| cta | acc | ctg | ttc | aat | gtg | cat | gtg | gat | gtt | tgc | tta | aat | aaa | agt | ttt | 1824 | |
| Leu | Thr | Leu | Phe | Asn | Val | His | Val | Asp | Val | Cys | Leu | Asn | Lys | Ser | Phe | | |
| | 595 | | | | | | 600 | | | | | 605 | | | | | |
| | | | | | | | | | | | | | | | | | |
| atc | caa | gaa | tta | aga | aag | gat | aaa | ttt | aac | cca | gtt | aat | caa | ccc | aaa | 1872 | |
| Ile | Gln | Glu | Leu | Arg | Lys | Asp | Lys | Phe | Asn | Pro | Val | Asn | Gln | Pro | Lys | | |
| | 610 | | | | | 615 | | | | | 620 | | | | | | |
| | | | | | | | | | | | | | | | | | |
| gaa | agc | tcc | aga | agt | act | ggg | agc | tca | agt | gga | gta | cag | aag | gct | gta | 1920 | |
| Glu | Ser | Ser | Arg | Ser | Thr | Gly | Ser | Ser | Ser | Gly | Val | Gln | Lys | Ala | Val | | |
| 625 | | | | | 630 | | | | | 635 | | | | 640 | | | |
| | | | | | | | | | | | | | | | | | |
| aca | aga | aca | aaa | agg | cca | gga | ttg | atg | aca | aag | tac | tca | aca | tca | aag | 1968 | |
| Thr | Arg | Thr | Lys | Arg | Pro | Gly | Leu | Met | Thr | Lys | Tyr | Ser | Thr | Ser | Lys | | |
| | | | 645 | | | | | 650 | | | | | | 655 | | | |
| | | | | | | | | | | | | | | | | | |
| aaa | ata | aaa | cca | aac | aat | ccc | aaa | cat | acc | ctt | gat | ata | ttt | ttt | aag | 2016 | |
| Lys | Ile | Lys | Pro | Asn | Asn | Pro | Lys | His | Thr | Leu | Asp | Ile | Phe | Phe | Lys | | |
| | | 660 | | | | | | 665 | | | | | 670 | | | | |
| | | | | | | | | | | | | | | | | | |
| taagtcgacc | | | | | | | | | | | | | | | | 2026 | |

<210> 31
 <211> 672
 <212> PRT
 <213> Homo sapiens

<400> 31
 Met Asp Ser Thr Lys Glu Lys Cys Asp Ser Tyr Lys Asp Asp Leu Leu
 1 5 10 15
 Leu Arg Met Gly Leu Asn Asp Asn Lys Ala Gly Met Glu Gly Leu Asp
 20 25 30
 Lys Glu Lys Ile Asn Lys Ile Ile Met Glu Ala Thr Lys Gly Ser Arg
 35 40 45

Phe Tyr Gly Asn Glu Leu Lys Lys Glu Lys Gln Val Asn Gln Arg Ile
50 55 60
Glu Asn Met Met Gln Gln Lys Ala Gln Ile Thr Ser Gln Gln Leu Arg
65 70 75 80
Lys Ala Gln Leu Gln Val Asp Arg Phe Ala Met Glu Leu Glu Gln Ser
85 90 95
Arg Asn Leu Ser Asn Thr Ile Val His Ile Asp Met Asp Ala Phe Tyr
100 105 110
Ala Ala Val Glu Met Arg Asp Asn Pro Glu Leu Lys Asp Lys Pro Ile
115 120 125
Ala Val Gly Ser Met Ser Met Leu Ser Thr Ser Asn Tyr His Ala Arg
130 135 140
Arg Phe Gly Val Arg Ala Ala Met Pro Gly Phe Ile Ala Lys Arg Leu
145 150 155 160
Cys Pro Gln Leu Ile Ile Val Pro Pro Asn Phe Asp Lys Tyr Arg Ala
165 170 175
Val Ser Lys Glu Val Lys Glu Ile Leu Ala Asp Tyr Asp Pro Asn Phe
180 185 190
Met Ala Met Ser Leu Asp Glu Ala Tyr Leu Asn Ile Thr Lys His Leu
195 200 205
Glu Glu Arg Gln Asn Trp Pro Glu Asp Lys Arg Arg Tyr Phe Ile Lys
210 215 220
Met Gly Ser Ser Val Glu Asn Asp Asn Pro Gly Lys Glu Val Asn Lys
225 230 235 240
Leu Ser Glu His Glu Arg Ser Ile Ser Pro Leu Leu Phe Glu Glu Ser
245 250 255
Pro Ser Asp Val Gln Pro Pro Gly Asp Pro Phe Gln Val Asn Phe Glu
260 265 270
Glu Gln Asn Asn Pro Gln Ile Leu Gln Asn Ser Val Val Phe Gly Thr
275 280 285
Ser Ala Gln Glu Val Val Lys Glu Ile Arg Phe Arg Ile Glu Gln Lys
290 295 300
Thr Thr Leu Thr Ala Ser Ala Gly Val Arg Ile Ser Ser Phe Pro Asn
305 310 315 320
Glu Glu Asp Arg Lys His Gln Gln Arg Ser Ile Ile Gly Phe Leu Gln
325 330 335
Ala Gly Asn Gln Ala Leu Ser Ala Thr Glu Cys Thr Leu Glu Lys Thr
340 345 350

Asp Lys Asp Lys Phe Val Lys Pro Leu Glu Met Ser His Lys Lys Ser
 355 360 365
 Phe Phe Asp Lys Lys Arg Ser Glu Arg Lys Trp Ser His Gln Asp Thr
 370 375 380
 Phe Lys Cys Glu Ala Val Asn Lys Gln Ser Phe Gln Thr Ser Gln Pro
 385 390 395 400
 Phe Gln Val Leu Lys Lys Lys Met Asn Glu Asn Leu Glu Ile Ser Glu
 405 410 415
 Asn Ser Asp Asp Cys Gln Ile Leu Thr Cys Pro Val Cys Phe Arg Ala
 420 425 430
 Gln Gly Cys Ile Ser Leu Glu Ala Leu Asn Lys His Val Asp Glu Cys
 435 440 445
 Leu Asp Gly Pro Ser Ile Ser Glu Asn Phe Lys Met Phe Ser Cys Ser
 450 455 460
 His Val Ser Ala Thr Lys Val Asn Lys Lys Glu Asn Val Pro Ala Ser
 465 470 475 480
 Ser Leu Cys Glu Lys Gln Asp Tyr Glu Ala His Pro Lys Ile Lys Glu
 485 490 495
 Ile Ser Ser Val Asp Cys Ile Ala Leu Val Asp Thr Ile Asp Asn Ser
 500 505 510
 Ser Lys Ala Glu Ser Ile Asp Ala Leu Ser Asn Lys His Ser Lys Glu
 515 520 525
 Glu Cys Ser Ser Leu Pro Ser Lys Ser Phe Asn Ile Glu His Cys His
 530 535 540
 Gln Asn Ser Ser Ser Thr Val Ser Leu Glu Asn Glu Asp Val Gly Ser
 545 550 555 560
 Phe Arg Gln Glu Tyr Arg Gln Pro Tyr Leu Cys Glu Val Lys Thr Gly
 565 570 575
 Gln Ala Leu Val Cys Pro Val Cys Asn Val Glu Gln Lys Thr Ser Asp
 580 585 590
 Leu Thr Leu Phe Asn Val His Val Asp Val Cys Leu Asn Lys Ser Phe
 595 600 605
 Ile Gln Glu Leu Arg Lys Asp Lys Phe Asn Pro Val Asn Gln Pro Lys
 610 615 620
 Glu Ser Ser Arg Ser Thr Gly Ser Ser Ser Gly Val Gln Lys Ala Val
 625 630 635 640
 Thr Arg Thr Lys Arg Pro Gly Leu Met Thr Lys Tyr Ser Thr Ser Lys
 645 650 655

Lys Ile Lys Pro Asn Asn Pro Lys His Thr Leu Asp Ile Phe Phe Lys
660 665 670

<210> 32
<211> 1335
<212> DNA
<213> Homo sapiens

<400> 32
tgagagagct ttccgctgaa gatgaacgggc ctgctttcca gggcggttg tcgaaagccc 60
gggagcatct ggccgcttcc gcctcaacca tgggctgggg ttttgtgagc tactagtgcc 120
aagggttttc tttccaccag accaccgctg taaatctcga gggctcttact cattagaagt 180
tagaattcac atttgacgtt taaaggaaga atttccttag taccttctca caagcacgca 240
cttcgcattt ttagatttct agagtttgct ttgtagaaag taattttgag gttgtcagag 300
aataaatgac gttgaaaagg tttttaaaagt aaaacaagaa tgtgagatga tagcctggga 360
ttttctcttg gttgtaaatg aatatcttac tgagaaccac gttaaccatg cctgcccctc 420
aaagatagga aaggttggat atatagaaac tttctcgtat tagaaatacc gaagtgcagt 480
ggttttgtgt gtacaagggg ttaggcaata ggaggctatt tttgttttaa gactaggggt 540
gaattagcag aaagaccaat agaagatcta acaactcttg tcagttgtca aggataactt 600
tgattatgag actttgactt tgtagcttca gtaatttcct ctctgtagct attttaatat 660
agtcgatttc cttgtaattg ccaagagtaa aatttgttat taaaccttag aaagagtact 720
ttcttactac aaggatggga cgataggagc gaaatttcga gtctaaggga aaacgctggc 780
cgagtgtggt ggctcacgcc tgtaatccca gcacttcggg aggccgaggt ggggtggatca 840
cctgaggccg ggagtttgag accagcctgg gcaacaagat ttttcttcat ccctttactt 900
tgagtctgtg gatgtcattg catgtgatat gggcttcctg aagacagcat accattggat 960
tttgcttctt tatccaagtt atcattctgt cttttaattg ggggtgtgcat tcaagataag 1020
tttataccat ggatagcaca aaggagaagt gtgacagtta caaagatgat cttctgctta 1080
ggatgggact taatgataat aaagcaggaa tggaaggatt agataaagag aaaattaaca 1140
aaattataat ggaagccacg aaggggtcca gattttatgg aaatgagctc aagaaagaaa 1200
agcaagtcaa ccaacgaatt gaaaatatga tgcaacaaaa agctcaaata accagccaac 1260
agctaagaaa agcacaatta caggttgaca gatttgcaat ggaattagaa caaagccgaa 1320
atttgagcaa tacca 1335

<210> 33
<211> 105
<212> DNA
<213> Mus musculus

<400> 33
gggagcgtcg cgagccgccg ggagggggccc ggggcgggggt ggagggagga tgggaggacg 60
gaggggaggg agctgagaga ggagggaggg taaatagtgg acccg 105

<210> 34
<211> 105
<212> DNA
<213> Mus musculus

<400> 34
cgggtccact atttaccctc cctcctctct cagctccctc ccctccgtcc tcccatcctc 60
cctccacccc gccccgggccc cctccccggcg gctcgcgacg ctccc 105

<210> 35
<211> 140
<212> DNA
<213> Homo sapiens

<400> 35
ccctgcttat atagatgacc ccctccccga gactctgaca gacccaggtc acaggcagtc 60
ctcacctgct cctgacaccc ccggcccctc agtgctgctc tctctagcca ccgagctgaa 120
gtactgagga gcccctacct 140

<210> 36
<211> 140
<212> DNA
<213> Homo sapiens

<400> 36
aggtaggggc tcctcagtac ttcagctcgg tggctagaga gacgagcact gagggggccgg 60
gggtgtcagg agcagggtgag gactgcctgt gacctggggtc tgtcagagtc tcggggaggg 120
ggtcacatctat ataagcaggg 140

<210> 37
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-GPBP-6c

<400> 37
ctcgctcgcc caggggaagga aaagggaaaa gaaggga 37

<210> 38
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-GPBP-14c

<400> 38
ctgcttgcc cactatttac c 21

<210> 39
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-GPBP-18m

<400> 39
ggcatggta acgtggttct c 21

<210> 40
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-XbaG/Bprolm

<400> 40
gactctagag gggtcgggag gaggatcccg 30

<210> 41
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-XbaG/Bprolc

<400> 41
gactctagac tggcccacta tttaccctcc 30

<210> 42
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer ON-SP1Del

 <400> 42
 cgccgggagg gggacgtagt gggggagaat 30

 <210> 43
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-TATADel

 <400> 43
 caggggaggg gaggggtggg ccagtctaga 30

 <210> 44
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-DIN2c

 <400> 44
 ggattattgc acttgccttc ac 22

 <210> 45
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-DIN5'm

 <400> 45
 aaaggatcca tggatagcac aaaggag 27

 <210> 46
 <211> 36
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-DIN-THc

 <400> 46
 aaaaaagtcg acttacttaa aaaatatatc aagggt 36

 <210> 47
 <211> 21

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-DINB1-R2

 <400> 47
 tggattgct caaatttcgg c 21

 <210> 48
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-GPBP-39c

 <400> 48
 tgagagagct ttccgctg 18

 <210> 49
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-LMPTAP1m

 <400> 49
 atgtctagat gtgtagggca gatctgccc 29

 <210> 50
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-LMPTAP1c

 <400> 50
 atgtctagac tggcgccaa ttttctcca 29

 <210> 51
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-HSP1m

 <400> 51
 atgtctagat aagccggccg gagagggct 29

<210> 52
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-HSP1c

 <400> 52
 atgtctagac gcggcaccgc gtgtgcagg 29

 <210> 53
 <211> 31
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-SA3A4m

 <400> 53
 gactctagag ggттаaggag gtgatgctcc c 31

 <210> 54
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-SA3A4c

 <400> 54
 gactctagat ggccactccc tccaccctgc gc 32

 <210> 55
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-INGA3A4m

 <400> 55
 gactctagac acccaggctt tttggttggtg gc 32

 <210> 56
 <211> 31
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-INGA3A4c

<400> 56
 gactctagaa agcggggcct cccgcagacg c 31

<210> 57
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer ON-S2A3A4m

<400> 57
 atgtctagat aggcactgga caagcccc 29

<210> 58
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer ON-S2A3A4c

<400> 58
 atgtctagag ggctagtggc gaggctgag 29

<210> 59
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer ON-IDH-F1

<400> 59
 cacagagggc gagtacagca 20

<210> 60
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer ON-IDH-R1

<400> 60
 tgatcttcag gctctccacc a 21

<210> 61
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer ON-TRAPD-F1

 <400> 61
 ggggccagaa catggctctc 20

 <210> 62
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-TRAPD-R1

 <400> 62
 acatcctggc ctcgagtgc 20

 <210> 63
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-LMP2-F2

 <400> 63
 gcagcatata agccaggcat g 21

 <210> 64
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-LMP2-R2

 <400> 64
 tggccagagc aatagcgtct 20

 <210> 65
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-TAP1-F2

 <400> 65
 gccgcctcac tgactggat 19

 <210> 66
 <211> 21

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-TAP1-R2

 <400> 66
 tcgagtgaag gtatcggctg a 21

 <210> 67
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-DHFR-F1

 <400> 67
 cctgtggagg aggaggtgg 19

 <210> 68
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-DHFR-R1

 <400> 68
 ccgattcttc cagtctacgg g 21

 <210> 69
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-MSH3-F1

 <400> 69
 tgggtaaagg ttggaagcac a 21

 <210> 70
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-MSH3-R1

 <400> 70
 aaaaggagag tgaaagcggc t 21

<210> 71
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-HO3-F2

 <400> 71
 gagctgttgt ccctccgct 19

<210> 72
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-HO3-R2

 <400> 72
 ggccagataa cgagcaaagg 20

<210> 73
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-HARS-F2

 <400> 73
 aggtggcgaa actcctgaaa c 21

<210> 74
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-HARS-R2

 <400> 74
 tgctttcatc aggacccagc 20

<210> 75
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-Hsp10-F1

<400> 75
ggagggagta atggcaggac a 21

<210> 76
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-Hsp10-R1

<400> 76
agcagcactc ctttcaacca a 21

<210> 77
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-Hsp60-F1

<400> 77
gcctttggtc ataatcgctg a 21

<210> 78
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-Hsp60-R1

<400> 78
tgccacaacc tgaagaccaa c 21

<210> 79
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-COL4A1-F1

<400> 79
gctctacgtg caaggcaatg a 21

<210> 80
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer ON-COL4A1-R1

 <400> 80
 attgtgctga acttgcgag 20

 <210> 81
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-COL4A2-F1

 <400> 81
 gaaaagggtg acgtaggga 20

 <210> 82
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-COL4A2-R1

 <400> 82
 ggtgtctgat ggaatcccgt t 21

 <210> 83
 <211> 21
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: Primer ON-GP-F1

 <400> 83
 ggagacagtg gatcacctgc a 21

 <210> 84
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-GP-R1

 <400> 84
 tgctgtggtt tgactgtgtc g 21

 <210> 85
 <211> 21

<212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Primer ON-COL4A4-F1

 <400> 85
 cttgccttcc cgtatttagc a 21

 <210> 86
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-COL4A4-R1

 <400> 86
 ggatctgtcg tttctctggg c 21

 <210> 87
 <211> 20
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: Primer ON-COL4A5-F1

 <400> 87
 catcgaatgt catgggaggg 20

 <210> 88
 <211> 21
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: Primer ON-COL4A5-R1

 <400> 88
 agttgccagc caaaagctgt a 21

 <210> 89
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-COL4A6-F1

 <400> 89
 tttgggctag actaccggac a 21

<210> 90
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-COL4A6-R1

<400> 90
tctctatgga cccgagggct 20

<210> 91
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-GPBP-F1

<400> 91
ctgaatccag cttgcgtcg 19

<210> 92
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-GPBP-R1

<400> 92
gcagagtagc cacttgctcc 20

<210> 93
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-DinB1-F3

<400> 93
gccccccaac tttgacaaat 20

<210> 94
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer ON-DinB1-R3

<400> 94
 gcttcatcaa gactcatggc c 21

<210> 95
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer ON-hGAPDH-F1

<400> 95
 gaaggtgaag gtcggagtc 19

<210> 96
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer ON-hGAPDH-R1

<400> 96
 gaagatgggtg atgggatttc 20

<210> 97
 <211> 22
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: Primer ON-GPBP-26-1F

<400> 97
 gctgttgaag ctgctcttga ca 22

<210> 98
 <211> 24
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: Primer ON-mGPBP-26-1R

<400> 98
 ccatttcttc aaccttttgt acaa 24

<210> 99
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
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 <400> 99
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 <210> 100
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-huDINB-76-F1

 <400> 100
 ccagtgcagg tgttcggata 20

 <210> 101
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-huDINB-76-R1

 <400> 101
 tttccagcct gtaaaaagcc a 21

 <210> 102
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer ON-hGPBP-26-1R

 <400> 102
 ccatctcttc aaccttttgg aca 23